

# **ABSTRACT**

The invention relates to a device and to a method for producing a protective liquid barrier which prevents gases (G) coming from a structure, such as a machine, a storage unit or a production system (P), from spreading at ground level beyond a particular area in the event of an incident. The device is equipped with nozzles (4) connected to a fluid supply (5) and arranged in the vicinity of at least one lengthwise section of a boundary of the area, which respectively EMIT an upwardly directed liquid jet (W) starting from ground level in the event of the incident, and are positioned at a mutual spacing (A) such that at each position of the lengthwise section an air-gas flow (F, G) starting from the bottom (9) of the area, essentially directed perpendicularly to the bottom (9) and entraining the gas (G) flowing at ground level, is created by the overlap of the liquid jets (W) respectively emitted by the nozzles (4), the nozzles (4) being arranged in a channel (2) formed along the lengthwise section, at a vertical distance (T) from its outlet opening.

**Fig. 1 is intended for the abstract**

Notes:

1/2/2: the hyphens are superfluous

6/1/6: the number in brackets has been ignored, since it is inappropriate at this point of the description.